PRELIMINARY ACTION REMOVAL PLANS AND COSTS
FOR
L.H.INC.
CAMBRIDGE, OHIO
TDD: T05-9104-001
PAN: EOH0368SBA

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Prepared for:

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EPA - REGION V

Contract Number: 68-W0-0037

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1.0 Proposed Removal Action Plan - Phase I

Removal activities will begin with the mobilization of the Emergency Response Contracting Services (ERCS) to site to set up office and decontamination trailers, establish the work zones, and organize the decon area and line. One Technical Assistance Team (TAT) member and the U.S. Environmental Protection Agency (U.S. EPA) On-Scene Coordinator (OSC) will also arrive to begin site operations.

Lagoon #1 and Lagoon #2 are approximately 25 feet in diameter and contain approximately 4 feet of water and one foot of sludge. The total volume of water in Lagoon #1 and Lagoon #2 is approximately 30,000.00 gallons. The two lagoons contain approximately 37 cubic Yards of sludge.

Sediment and surfacewater samples collected from Lagoon #1 and Lagoon #2 during the site assessment indicate the presence of contaminants. Sediment sample SD2, taken from on-site Lagoon #2, contained chromium (47.00 mg/L), cadmium (0.01 mg/L), and lead (2.00 mg/L). Sediment sample SD1 revealed the presence of chromium at 12.00 mg/L (detailed analytical results of all samples included in LHI Site Assessment report).

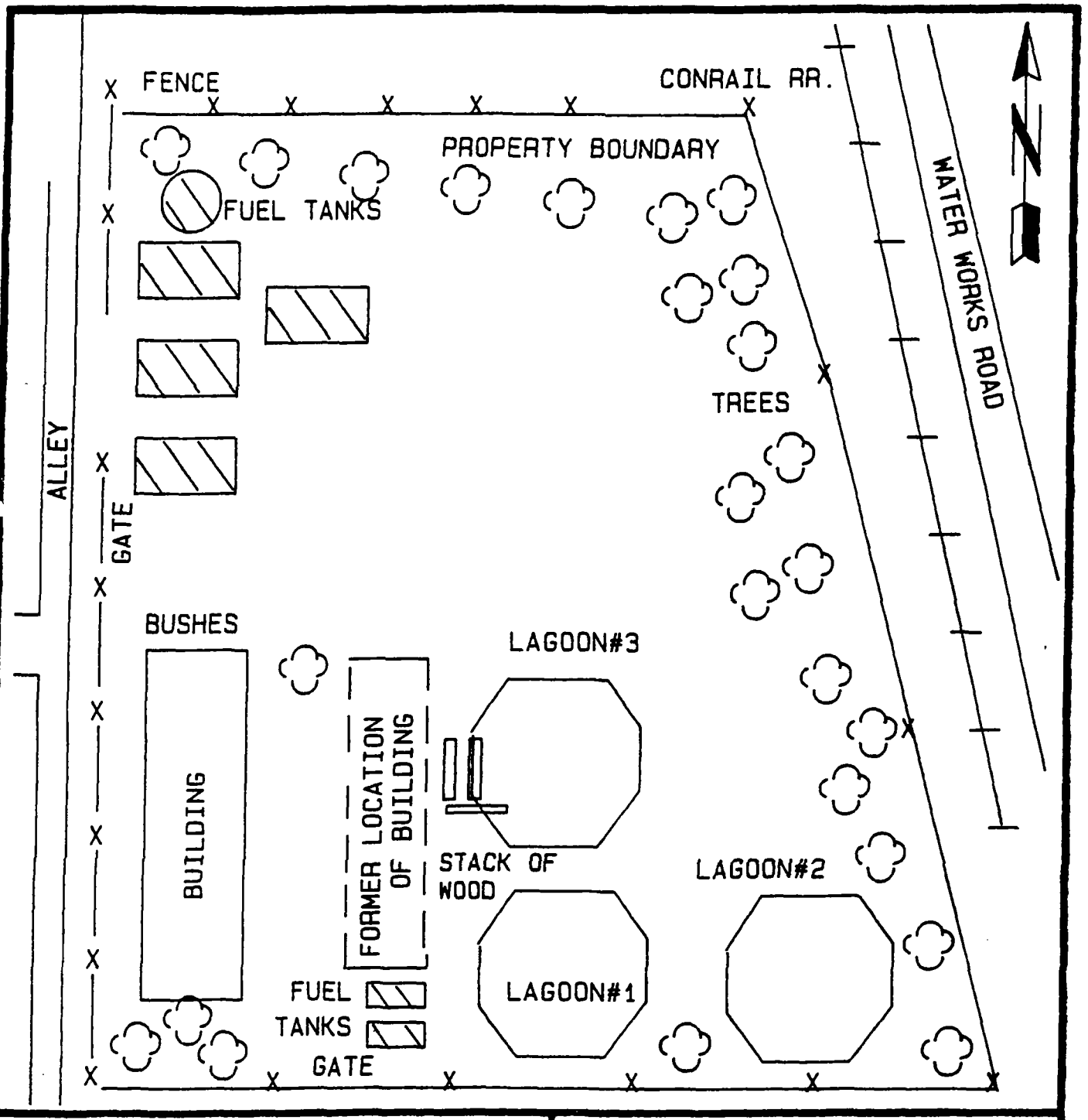

FIGURE 2

SITE FEATURES

L.H., INC.

CAMBRIDGE, OHIO

NOT TO SCALE

LEGEND

FORMER LOCATION OF FUEL TANKS

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The ERCS crew will begin work with the removal of water from Lagoon #1 and Lagoon #2 using a vacuum truck. The sludge in the lagoons is a watery material which will be solidified with cement and placed into visqueen lined 20 cubic yard roll-off boxes. Disposal acceptance samples will be collected from the solidified sludge and will be sent to the disposal facilities for acceptance. Once the roll-off boxes are filled, the ERCS crew will cover the roll-off boxes with visqueen and stage the boxes until ERCS obtains acceptance from the disposal facility.

After removal of water and sludge from each of the two lagoons the Shelter-Rite XR-5 pit liners will be physically inspected to determine if there are any leaks or any evidence that the contents of the lagoons have migrated into the ground. The liners will then be removed from the lagoons and placed into roll-off boxes for disposal.

TAT will screen the lagoons by conducting an X-Met 880 (x-ray fluorescence spectrometry) survey to determine the presence of heavy metals. Based on X-Met survey results, soil sampling locations will also be selected. TAT will collect subsurface soil samples from the areas determined with the X-Met survey. Subsurface soil samples will be collected at a depth of one and 2 feet to determine the extent of migration of contaminants into the ground. The samples will be analyzed for the same parameters as used in the site assessment (VOA'S ABNS, total metals etc.) and will be compared to the results obtained for the previous background soil samples.

2.0 Estimated costs for phase I of the removal

Estimated costs for this phase of the removal are included in Appendix A. Estimates were calculated with the cost projections module of the RCMS computer program. Estimates include estimated cost for ERCS, 2 TATs, OSC and activities described in *this preliminary Phase I plan.*

3.0 Proposed Removal Action Plan - Phase II

The ERCS, TAT and U.S. EPA will remobilize to site and continue site activities.

If confirmation samples of the soil in the area of the lagoons are determined to be uncontaminated by the OSC, then ERCS will backfill the Lagoon #1 and Lagoon #2 excavations with clean fill to prescribed specification. However, if contaminants are present in concentrations higher than the background soil samples, the ERCS crew members will excavate the contaminated areas and place the contaminated soils into visqueen lined 20 cubic yards roll-off boxes. Samples will be collected for disposal acceptance at an approved landfill arranged by the ERCS contractors. After the excavation of the contaminated soil from the lagoons TAT will resample the lagoons to determine if there are any contaminants present in the lagoons. If the results of the soil sampling

indicate uncontaminated soil, the ERCS will backfill the lagoons as previously discussed. If the confirmation samples indicate levels of contamination then the OSC will determine what course of action she would like to pursue.

APPENDIX A.

COST PROJECTION SCENARIO: L.H.INC.

APPENDIX A

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Redacted-information not relevant to the selection of the removal action.